Appendix A

Part A Permit Application

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved, OMB No. 2050-0034 Expires 10/31/02
GSA No. 0248-EPA-OT

For EPA Regional Use Only		
Date Received Month Day Year	United States Environmental Protection Agency Washington, DC 20460 **Hazardous Waste Permit Application Part A** *(Read the Instructions before starting)*	

I. Facility's EPA ID Number *(Mark 'X' in the appropriate box)*

[ ] A. First Part A Submission	[X] B. Revised Part A Submission (Amendment #_____)

C. Facility's EPA ID Number	D. Secondary ID Number *(If applicable)*
P R D 0 9 0 0 7 4 0 7 1	

II. Name of Facility

S H E L L C H E M I C A L Y A B U C O A I N C.

III. Facility Location *(Physical address not P.O. Box or Route Number)*

A. Street

R D 9 0 1 K M 2 7 C A M I N O N U E V O W A R D

Street *(Continued)*

City or Town	State	Zip Code
Y A B U C O A	P R	0 0 7 6 7 – 4 2 2 5

County Code *(If known)*	County Name

B. Land Type (Enter code)	C. Geographic Location		D. Facility Existence Date
	LATITUDE (Degrees, minutes, & seconds)	*LONGITUDE (Degrees, minutes, & seconds)*	Month Day Year
S	1 8 0 3 0 0 0	0 6 5 5 1 0 1 5	0 6 1 9 7 1

IV. Facility Mailing Address

Street or P.O. Box

P O B O X 1 8 6

City or Town	State	Zip Code
Y A B U C O A	P R	0 0 7 6 7 – 0 1 8 6

V. Facility Contact *(Person to be contacted regarding waste activities at facility)*

Name *(Last)*	*(First)*
V A S Q U E Z	J U A N I.

Job Title	Phone Number *(Area Code and Number)*
D I R E C T O R	7 8 7 – 7 2 1 – 0 1 5 0

VI. Facility Contact Address *(See instructions)*

A. Contact Address Location	Mailing	Other	B. Street or P.O. Box
	X		P O B O X 3 6 6 6 9 7

City or Town	State	Zip Code
S A N J U A N	P R	0 0 9 3 6 – 6 6 9 7

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EPA ID Number *(Enter from page 1)*: PRD090074071

Secondary ID Number *(Enter from page 1)*:

VII. Operator Information *(See instructions)*

A. Name of Operator: SHELL CHEMICAL YABUCOA, INC.

Street or P.O. Box: RD 901 KM. 2.7 CAMINO NUEVO WARD

City or Town: YABUCOA

State: PR

ZIP Code: 00767-4225

Phone Number *(Area Code and Number)*: 787-893-2424

B. Operator Type: P

C. Change of Operator Indicator: Yes X No

Date Changed: Month 12 Day 31 Year 2001

VIII. Facility Owner *(See instructions)*

A. Name of Facility's Legal Owner: SHELL CHEMICAL YABUCOA, INC.

Street or P.O. Box: RD 901 KM. 2.7 CAMINO NUEVO WARD

City or Town: YABUCOA

State: PR

ZIP Code: 00767-4225

Phone Number *(Area Code and Number)*: 787-893-2424

B. Owner Type: P

C. Change of Owner Indicator: Yes X No

Date Changed: Month 12 Day 31 Year 2001

IX. NAICS Codes *(in order of significance; start in left box)*

First: 32411
(Description) PETROLEUM REFINING

Second:
(Description)

Third:
(Description)

Fourth:
(Description)

X. Other Environmental Permits *(See instructions)*

A. Permit Type *(Enter code)*	B. Permit Number	C. Description
N	PR0000040000	NPDES
R	PRD090074071	RCRA
E	DBR771919693 6	BIO MEDICAL WASTE GEN. ID. NO.
E	PFETV291177037	97-0025 TITLE V PERMIT APPLICATION
E	PFE771288098 7	7-I-II-O AIR EMISSION OPERATION PERMIT
E	AU9777007097	USED OIL GENERATOR ID. NO.
E	AG0177702040A	ACM MANAGEMENT NO.
E	AN7770261	USED TIRES GEN. ID. NO.

EPA ID Number *(Enter from page 1)*

P	R	D	0	9	0	0	7	4	0	7	1

Secondary ID Number *(Enter from page 1)*

XI. Nature of Business *(Provide a brief description)*

The facility refines crude oil to produce petroleum products, which include reformate/gasoline, diesel, kerosene, fuel oil, bunker and other petroleum distillates and feedstocks. The physical plant includes: 1) marine loading and unloading facilities, 2) above ground tank storage for crude oil, intermediate and final products, and 3) refining process units which include crude distillation, hydrotreating, hydrocracking, reforming, hydrogen, sulfur recovery, lube oil processing/dewaxing, utility operations to include water and wastewater treatment, and gas processing and recovery.

XII. Process Codes and Design Capacities

A. **PROCESS CODE** - *Enter the code from the list of process codes below that best describes each process to be used at the facility. Thirteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04 and X99), describe the process (including its design capacity) in the space provided in item XIII.*

B. **PROCESS DESIGN CAPACITY** - *For each code entered in column A, enter the capacity of the process.*
1. **AMOUNT** - *Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.*
2. **UNIT OF MEASURE** - *For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.*

C. **PROCESS TOTAL NUMBER OF UNITS** - *Enter the total number of units used with the corresponding process code.*

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	Disposal:	
D79	Underground Injection Well Disposal	Gallons; Liters; Gallons Per Day; or Liters Per Day
D80	Landfill	Acre-feet; Hectare-meter; Acres; Cubic Meters; Hectares; Cubic Yards
D81	Land Treatment	Acres or Hectares
D82	Ocean Disposal	Gallons Per Day or Liters Per Day
D83	Surface Impoundment Disposal	Gallons; Liters; Cubic Meters; or Cubic Yards
D99	Other Disposal	Any Unit of Measure Listed Below
	Storage:	
S01	Container	Gallons; Liters; Cubic Meters; or Cubic Yards
S02	Tank Storage	Gallons; Liters; Cubic Meters; or Cubic Yards
S03	Waste Pile	Cubic Yards or Cubic Meters
S04	Surface Impoundment Storage	Gallons; Liters; Cubic Meters; or Cubic Yards
S05	Drip Pad	Gallons; Liters; Acres; Cubic Meters; Hectares; or Cubic Yards
S06	Containment Building Storage	Cubic Yards or Cubic Meters
S99	Other Storage	Any Unit of Measure Listed Below
	Treatment:	
T01	Tank Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour
T02	Surface Impoundment Treatment	Gallons Per Day; Liters Per Day; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; or Metric Tons Per Hour
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Day; Liters Per Hour; or Million Btu Per Hour
T80	Boiler	Gallons; Liters; Gallons Per Hour; Liters Per Hour; Btu Per Hour; or Million Btu Per Hour
T81	Cement Kiln	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Liters Per Hour; Kilograms Per Hour; or Million Btu Per Hour
T82	Lime Kiln	
T83	Aggregate Kiln	
T84	Phosphate Kiln	
T85	Coke Oven	
T86	Blast Furnace	
T87	Smelting, Melting, Or Refining Furnace	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; Gallons Per Hour; Liters Per Hour; or Million Btu Per Hour
T88	Titanium Dioxide Chloride Oxidation Reactor	
T89	Methane Reforming Furnace	
T90	Pulping Liquor Recovery Furnace	
T91	Combustion Device Used In The Recovery Of Sulfur Values From Spent Sulfuric Acid	
T92	Halogen Acid Furnaces	
T93	Other Industrial Furnaces Listed in 40 CFR §260.10	
T94	Containment Building - Treatment	Cubic Yards; Cubic Meters; Short Tons Per Hour; Gallons Per Hour; Liters Per Hour; Btu Per Hour; Pounds Per Hour; Short Tons Per Day; Kilograms Per Hour; Metric Tons Per Day; Gallons Per Day; Liters Per Day; Metric Tons Per Hour; or Million Btu Per Hour
	Miscellaneous (Subpart X):	
X01	Open Burning/Open Detonation	Any Unit of Measure Listed Below
X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; Kilograms Per Hour; Gallons Per Hour; Liters Per Hour; or Gallons Per Day
X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; Btu Per Hour; or Million Btu Per Hour
X04	Geologic Repository	Cubic Yards; Cubic Meters; Acre-feet; Hectare-meter; Gallons; or Liters
X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G
Gallons Per Hour	E
Gallons Per Day	U
Liters	L
Liters Per Hour	H
Liters Per Day	V

UNIT OF MEASURE	UNIT OF MEASURE CODE
Short Tons Per Hour	D
Metric Tons Per Hour	W
Short Tons Per Day	N
Metric Tons Per Day	S
Pounds Per Hour	J
Kilograms Per Hour	R
Million Btu Per Hour	X

UNIT OF MEASURE	UNIT OF MEASURE CODE
Cubic Yards	Y
Cubic Meters	C
Acres	B
Acre-feet	A
Hectares	Q
Hectare-meter	F
Btu Per Hour	I

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EPA ID Number (Enter from page 1): P R D 0 9 0 0 7 4 0 7 1

Secondary ID Number (Enter from page 1):

XII. Process Codes and Design Capabilities (Continued)

EXAMPLE FOR COMPLETING ITEM XII (shown in line number X-1 below): A facility has a storage tank, which can hold 533,788 gallons.

Line Number	A. Process Code (From list above)	B. PROCESS DESIGN CAPACITY 1. Amount (Specify)	B. 2. Unit Of Measure (Enter code)	C. Process Total Number Of Units	For Official Use Only
X 1	S 0 2	5 3 3 7 8 8	G	0 0 1	
X 1	S 0 1	717	Y	0 0 1	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					

NOTE: If you need to list more than 13 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in item XIII.

XIII. Other Processes (Follow instructions from item XII for D99, S99, T04 and X99 process codes)

Line Number (Enter #s in seq w/XII)	A. Process Code (From list above)	B. PROCESS DESIGN CAPACITY 1. Amount (Specify)	B. 2. Unit Of Measure (Enter code)	C. Process Total Number Of Units	D. Description Of Process
X 1	T 0 4				In-situ Vitrification
1					
2					
3					
4					

EPA ID Number *(Enter from page 1)*

P	R	D	0	9	0	0	7	4	0	7	1

Secondary ID Number *(Enter from page 1)*

XIV. Description of Hazardous Wastes

A. **EPA HAZARDOUS WASTE NUMBER** - *Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.*

B. **ESTIMATED ANNUAL QUANTITY** - *For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.*

C **UNIT OF MEASURE** - *For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:*

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. **PROCESSES**

1. **PROCESS CODES:**

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/ or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. *Enter the first two as described above.*
2. *Enter "000" in the extreme right box of item XIV-D(1).*
3. *Use additional sheet, enter line number from previous sheet, and enter additional code(s) in item XIV-E.*

2. **PROCESS DESCRIPTION:** *If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).*

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. *Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.*
2. *In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.*
3. *Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.*

EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA HAZARD WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESS (1) PROCESS CODES (Enter)	D. PROCESS (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
X 1	K 0 5 4	900	p	T 0 3 D 8 0	
X 2	D 0 0 2	400	P	T 0 3 D 8 0	
X 3	D 0 0 1	100	P	T 0 3 D 8 0	
X 4	D 0 0 2				Included With Above

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GSA No. 0248-EPA-OT

EPA ID Number *(Enter from page 1)*: P R D 0 9 0 0 7 4 0 7 1

Secondary ID Number *(Enter from page 1)*:

XIV. Description of Hazardous Wastes *(Continued; use additional sheets as necessary)*

Line Number	A. EPA Hazardous Waste No. (Enter code)	B. Estimated Annual Quantity of Waste	C. Unit of Measure (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)	D. PROCESSES (2) PROCESS DESCRIPTION (If a code is not entered in D(1))
1	F037	200	T	S01	
2	F038				INCLUDED WITH ABOVE (1)
3	K051	500	T	S01	
4	K050				INCLUDED WITH ABOVE (3)
5	K049				INCLUDED WITH ABOVE (3)
6	K048				INCLUDED WITH ABOVE (3)
7	U154	4,500	P	S01	
8	D001	50	T	S01	
9	D018	100	T	S01	
10	K171	90	T	S01	
11	K169	100	T	S01	
12	K172	100	T	S01	
13					
14					
15					
16					
17					
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32					
33					

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Form Approved, OMB No. 2050-0034 Expires 10/31/02
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EPA ID Number *(Enter from page 1)*	Secondary ID Number *(Enter from page 1)*
P R D 0 9 0 0 7 4 0 7 1	

XV. Map

Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements. EXHIBIT A

XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (See instructions for more detail). EXHIBIT B

XVII. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail). EXHIBIT C

XVIII. Certification(s)

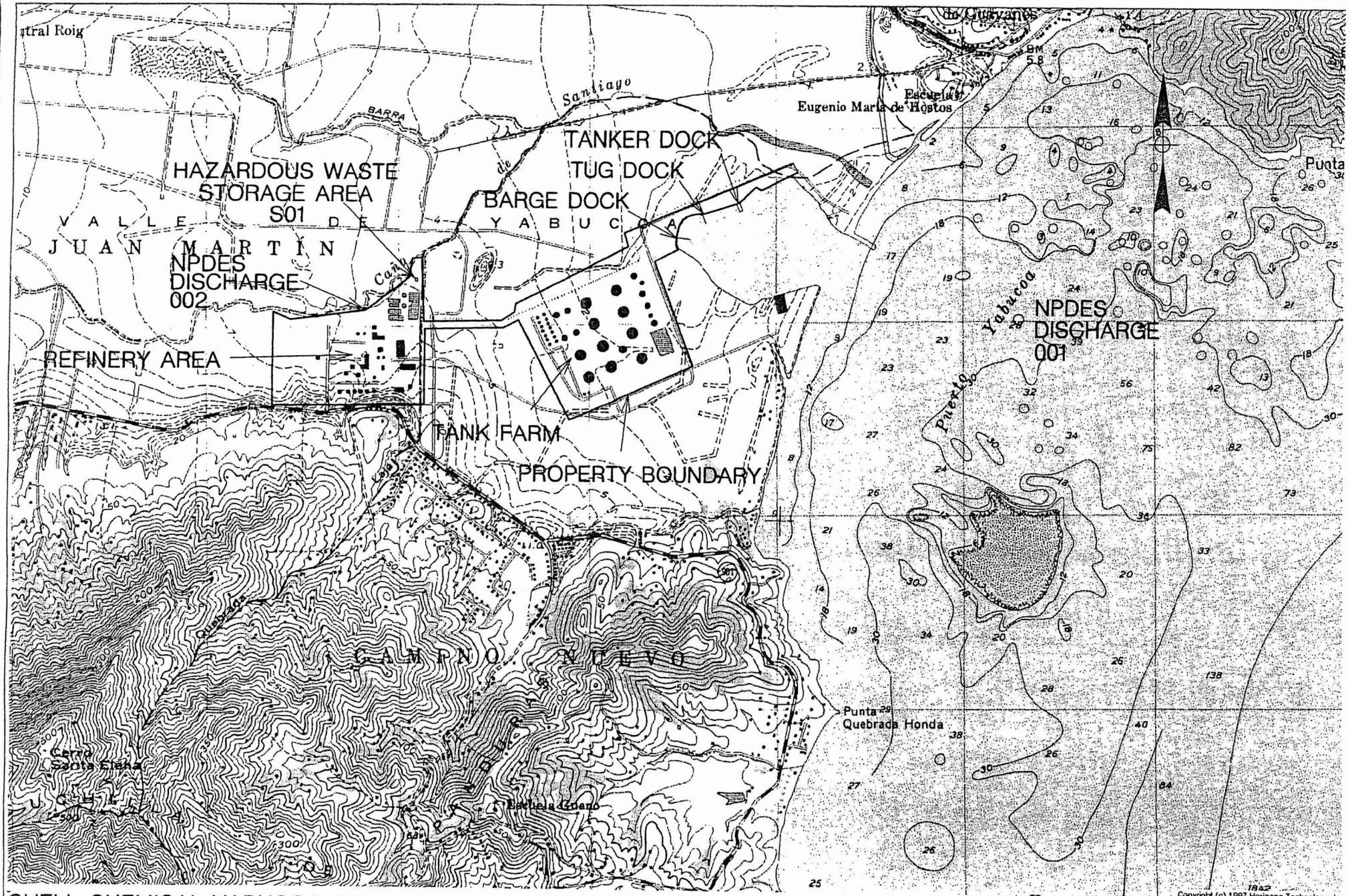
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner Signature	Date Signed 20.12.01
Name and Official Title (Type or print) JUAN I. VASQUEZ G., DIRECTOR	
Owner Signature	Date Signed
Name and Official Title (Type or print)	
Operator Signature	Date Signed
Name and Official Title (Type or print)	
Operator Signature	Date Signed
Name and Official Title (Type or print)	

XIX. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (Refer to instructions for more information)

EXHIBIT A



SHELL CHEMICAL YABUCOA, INC.
YABUCOA, PUERTO RICO

GRAPHIC SCALE: 1:20,000

RCRA PART A APPLICATION

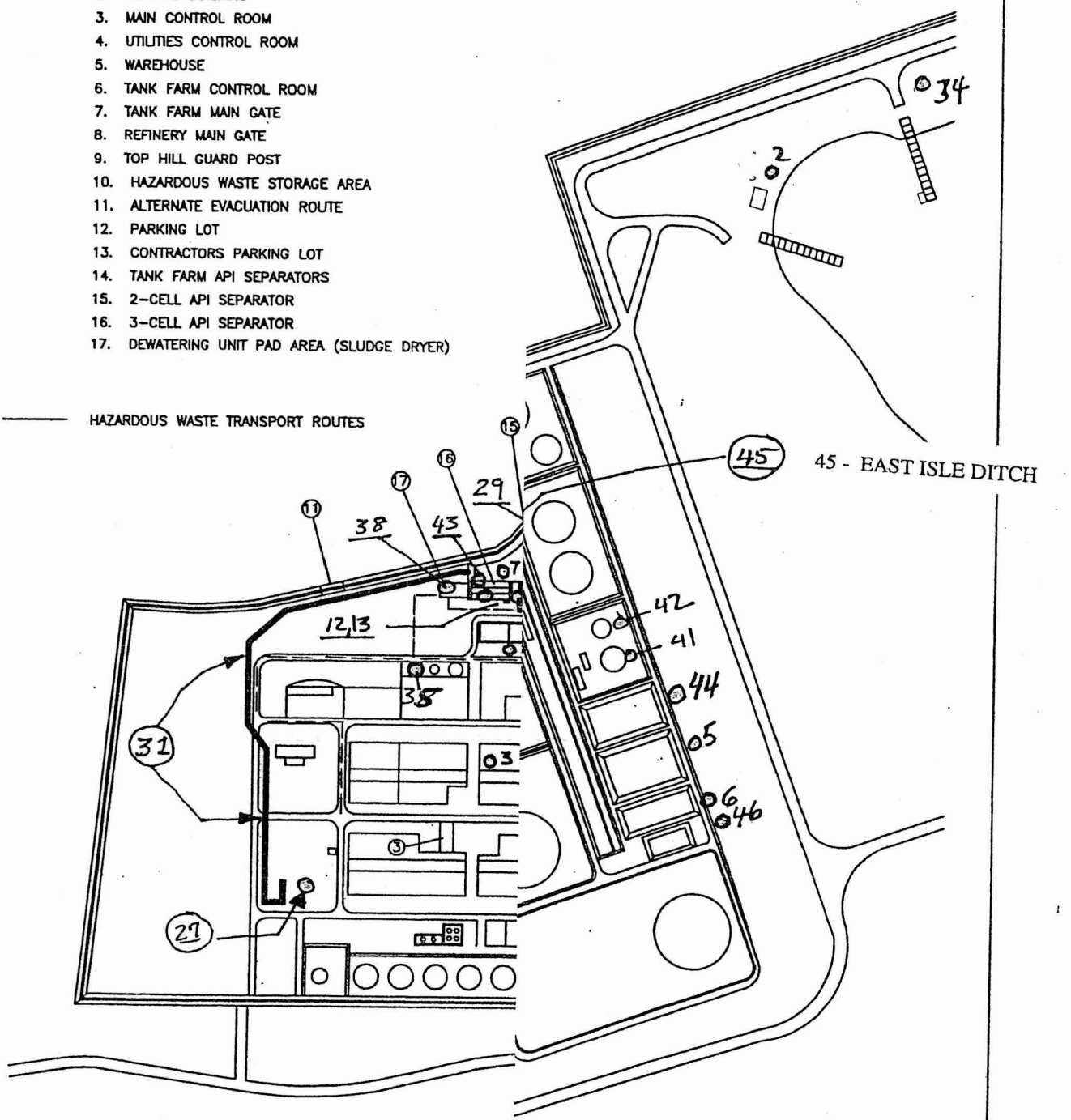
EXHIBIT " A "

EXHIBIT B

EXPLANATION

1. ADMINISTRATION BUILDING
2. SERVICE BUILDING
3. MAIN CONTROL ROOM
4. UTILITIES CONTROL ROOM
5. WAREHOUSE
6. TANK FARM CONTROL ROOM
7. TANK FARM MAIN GATE
8. REFINERY MAIN GATE
9. TOP HILL GUARD POST
10. HAZARDOUS WASTE STORAGE AREA
11. ALTERNATE EVACUATION ROUTE
12. PARKING LOT
13. CONTRACTORS PARKING LOT
14. TANK FARM API SEPARATORS
15. 2-CELL API SEPARATOR
16. 3-CELL API SEPARATOR
17. DEWATERING UNIT PAD AREA (SLUDGE DRYER)

——— HAZARDOUS WASTE TRANSPORT ROUTES



SHELL CHEMICAL YABUCOA, INC.		
SOLID WASTE MANAGEMENT UNITS		
SCALE	AUTOCAD FILE #	DATE
DR:		

RCRA PART A APPLICATION
EXHIBIT "B"

Shell Chemical Yabucoa, Inc.

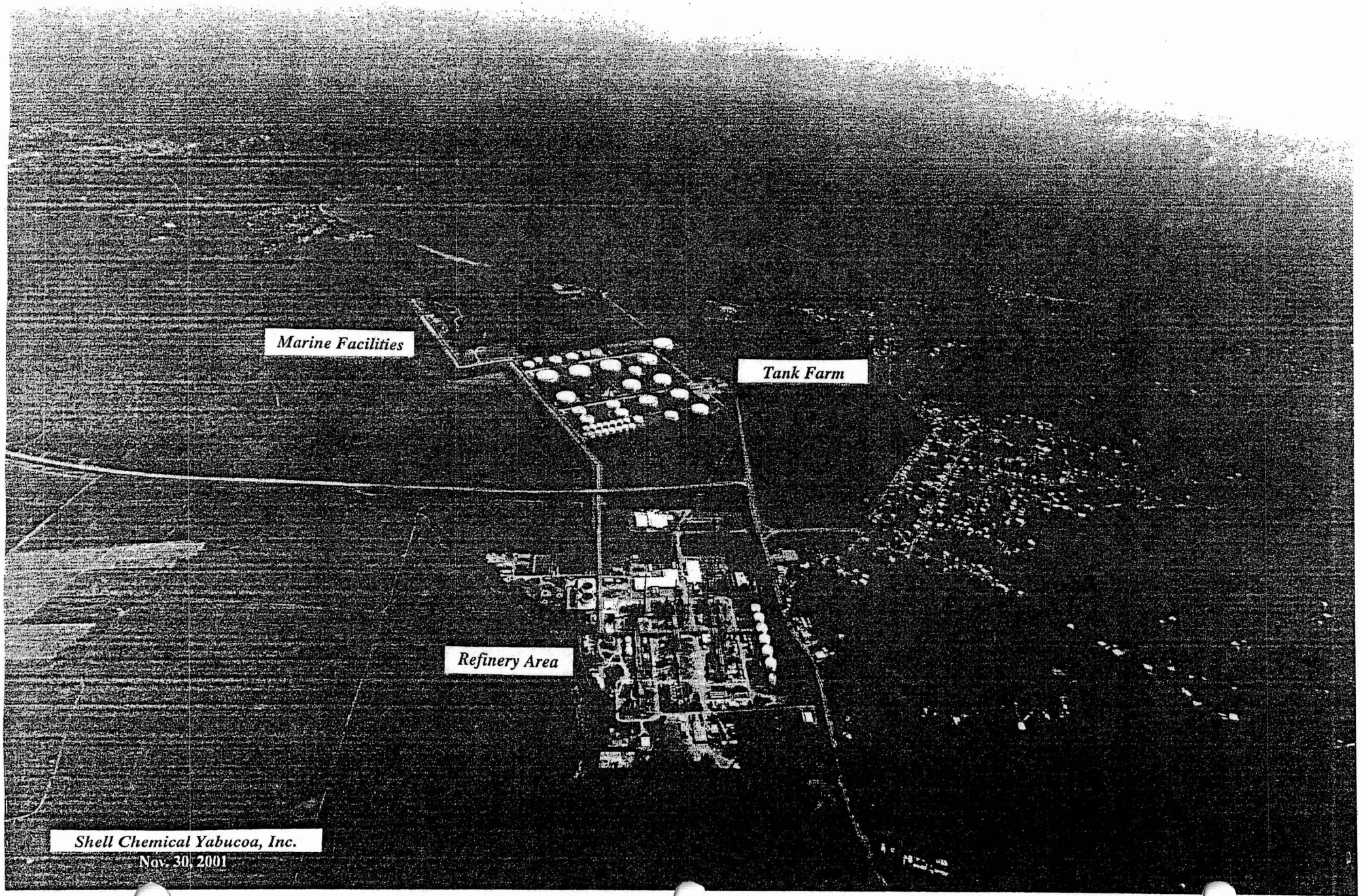
Solid Waste Management Units ("SWMU")

1. Sump in Tug Boat Dock Area
2. West API Separator
3. East API Separator
4. West Aisle Ditch
5. Tank Farm Firewater Basin
6. Outfall Basin
7. Refinery 3 Cell API Separator
8. Refinery 2 Cell API Separator
9. Flood Control Surge Pond
10. Lime Pits
11. Sulfur Pits
12. Slop Oil Tanks W5
13. Slop Oil Tank W6
14. Final Retention Basin
15. Equalization Basin
16. Sludge Digester
17. North Aeration Basin
18. South Aeration Basin
19. Clarifier
20. Float Oil Basin
21. Old Oily Sludge Pond
22. Hazardous Waste Storage Building
23. Asbestos Storage Boxes
24. Box Van for Asbestos Storage
25. Nonhazardous Waste Mixing Box
26. DAVCO Unit
27. Heat Exchanger Bundle Cleaning Area
28. Nonhazardous Waste Disposal Area
29. Spent Catalyst Area
30. Asbestos Disposal Area
31. Perimeter Ditch
32. Process Sewer Systems
33. Main Dock Sump
34. Barge Dock Sump
35. Slop Oil Tank 103
36. Air Flotation Unit
37. Sand Drying Beds
38. Dewatering Chamber
39. Mixing Box at Hazardous Waster Storage Buildings
40. Waste Disposal Area Behind Hazardous Waste Storage Building
41. Ballast Water Tank W1
42. Ballast Water Tank W2
43. Watery Oil Separator
44. Ballast Basin
45. East Aisle Ditch
46. New Oily Sludge Basin

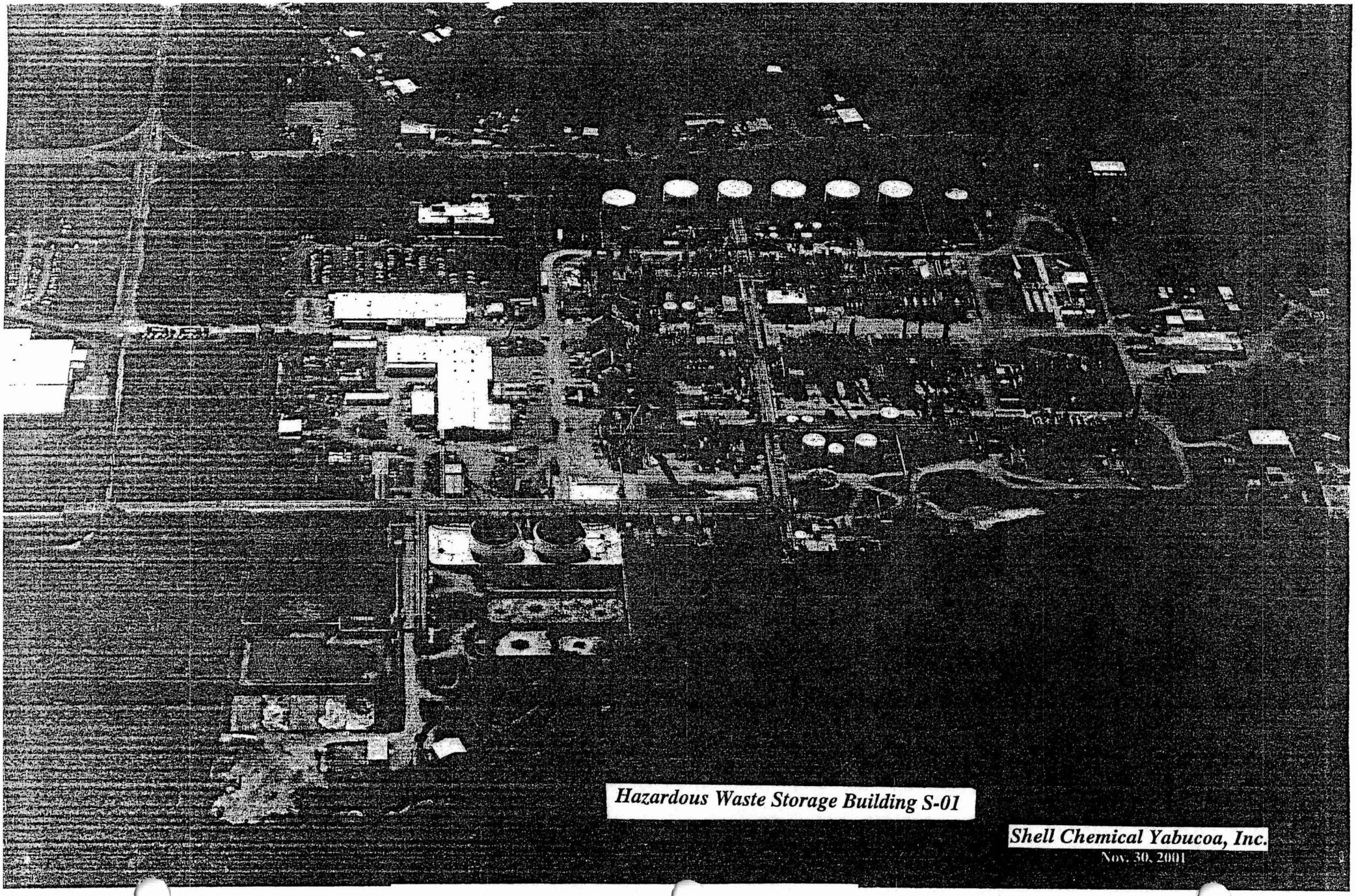
Area of Concern 1	Crude Tank 003-01
Area of Concern 2	Crude Tank 003-05
Area of Concern 3	Ditch Tank Transfer Lines
Area of Concern 4	Fuel Spill

EXHIBIT C

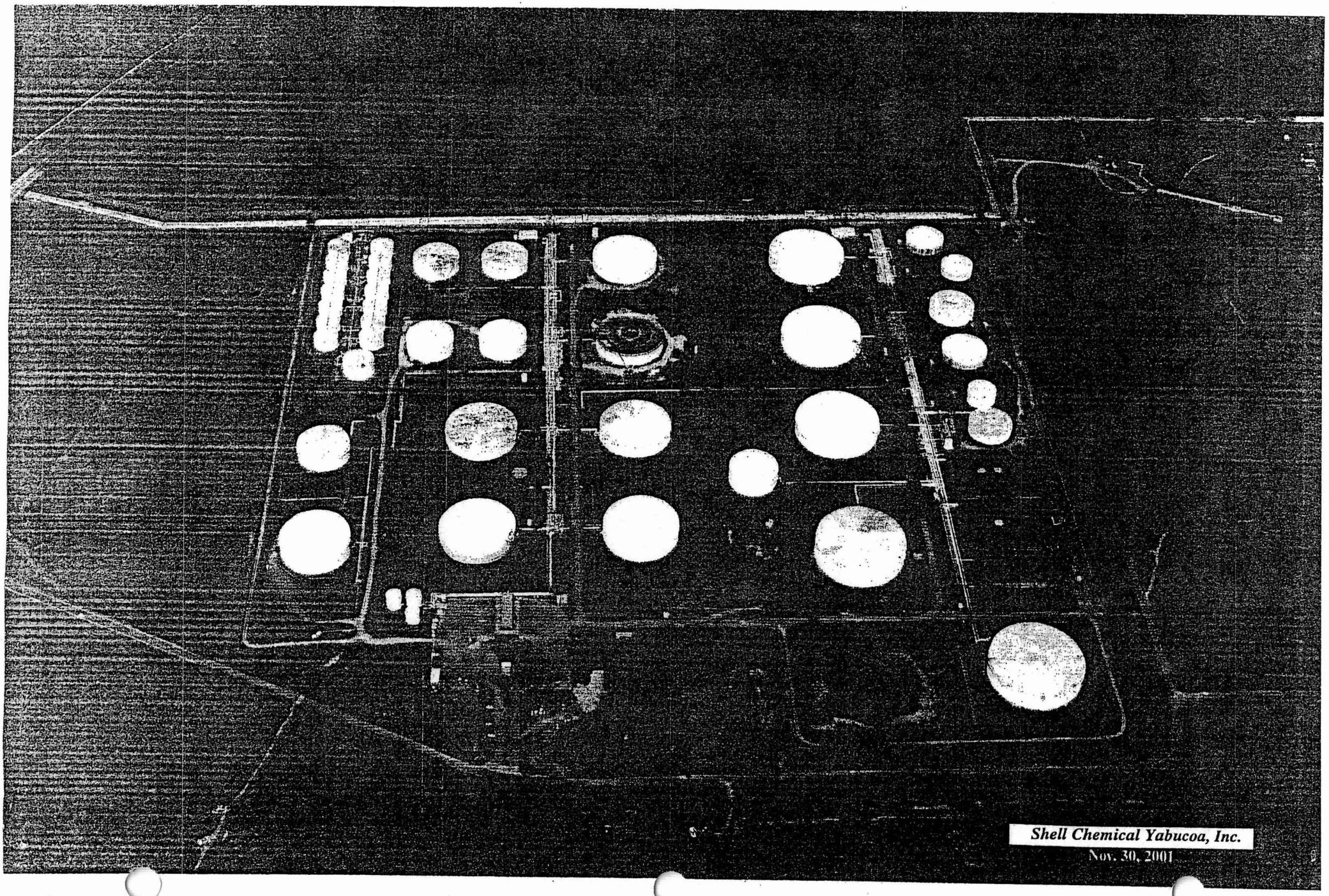
Exhibit "C-1"



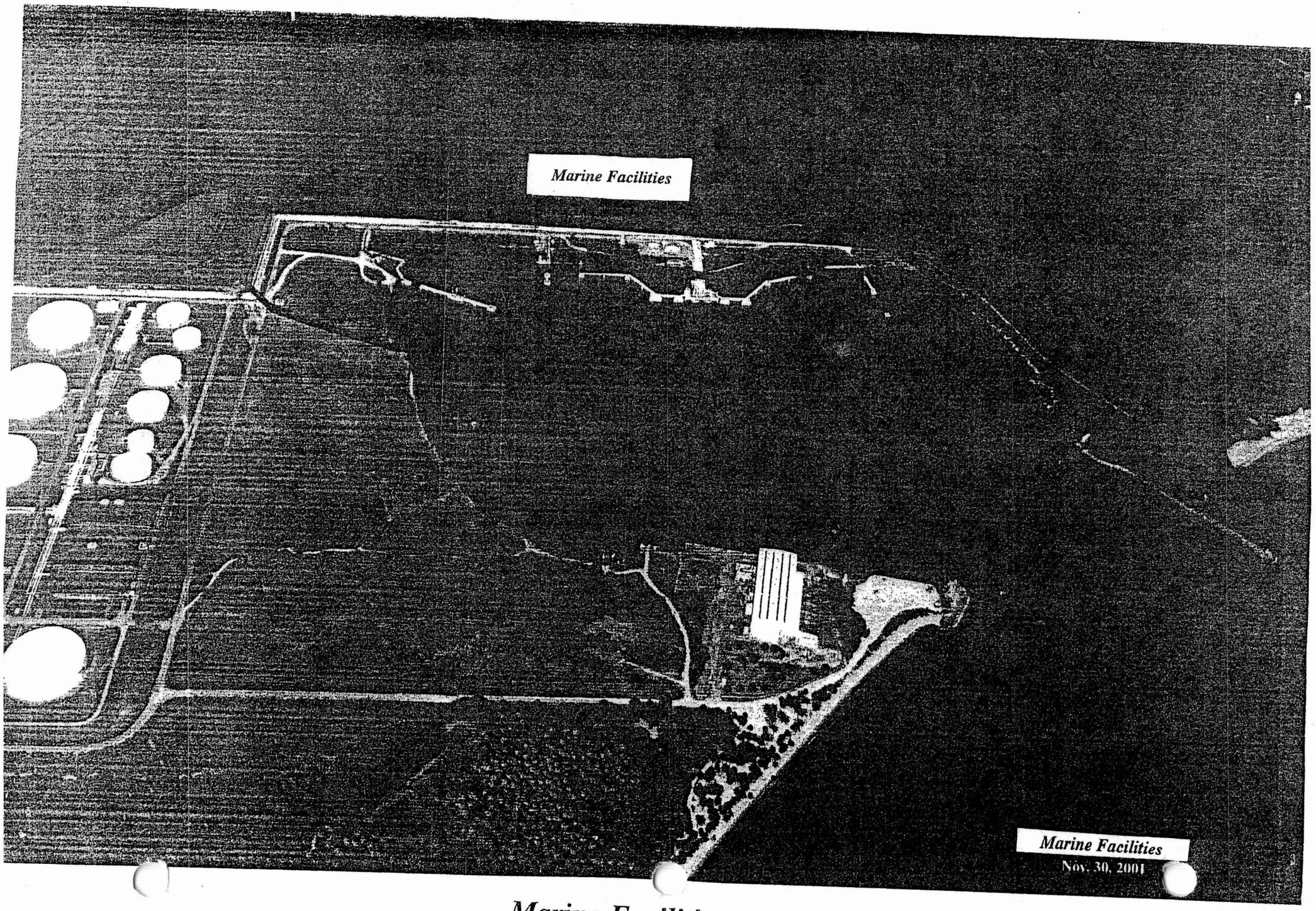
Refinery Facility



Hazardous Waste Storage



Tank Farm



Marine Facilities